FILE NOTATIONS		
Entered in NID File	Checked by Chief	****************
Entered On S R Sheet	Copy NID to Field Office	************************
Location Map Pinned	Approval Letter	***************
Card Indexed	Disapproval Letter	*******************
I W R for State or Fee Land	***	
COMPLETION DATA:	$\frac{\Lambda_1 \Lambda_2}{\Lambda_1 \Lambda_2}$	
Date Well Completed 7/7/78	Location Inspected	
OW WW TA	Bond released State of Fee Land	***************************************
Driller's Log	FILED	
Electric Logs (No. )		
E E-1	GR. GR.N M	C=-
Lat Mi-L Sor		VI 0
	• • • • • • • • • • • • • • • • • • • •	·

Pigged - Abandoned - 7/0/78

- i) Location and elevation plat on each of the 5 wells (2) A Ten-Point Compliance
- Blow out preventer diagram for all wells (4) Out and fill section and pad layout
- or each well (5) A central tank battery and flow line layout (6) Map into location
- 7) Multipoint Compliance program

1.5

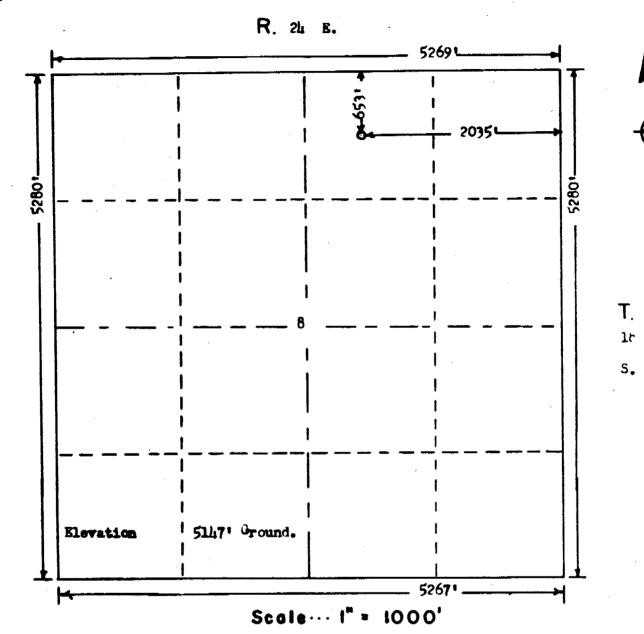
ABOVE PFACE DESCRIBE PROPOSED  ne. If proposal is to drill or de  eventer program, if any.	PROGRAM: If proposal is to dec	pen or plug back, give data as present t data on subsurface locations and mo	productive asured and t	zone an	d Proposed new productive tical depths. Give low
George Fenti	Jan en	Agent for The Anschutz Corp	oration		June 1, 1977
(This space for Federal or Stat	e office use)	APPROVAL DATE	-		
APPROVED BY (ORIG. SGD.	) E. W. GUYNN	DISTRICT ENGINEER		DATE_	JUL 1 8 1977

9

EXHIBIT "A - 4"

ELEVATION - LOCATION PLAT

ANSCHUTZ #5 - Federal - 258

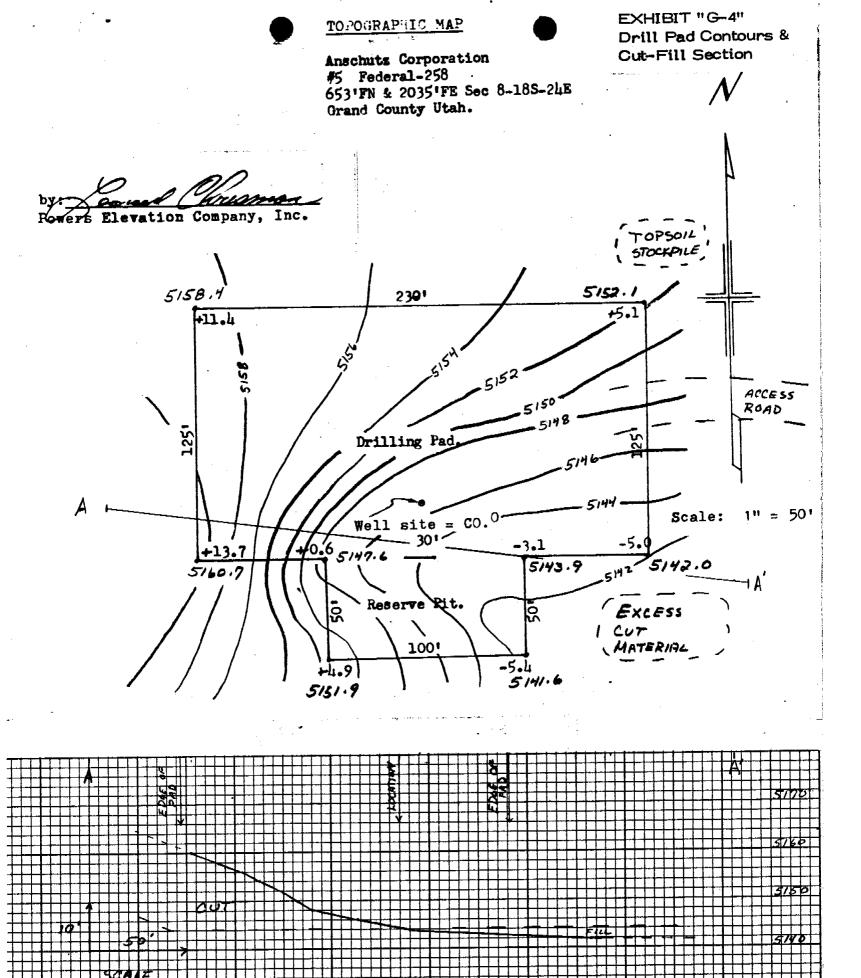


Powers Elevation Company, Inc. of Denver, Colorado
has in accordance with a request from George Fentress
for Anschuts Corporation
determined the location of #5 Federal-258
to be 653'FN & 2035'FE Section 8 Township 18 S.
Range 24 E. of the Salt Lake Principal Meridian
Grand County, Utah

I hereby certify that this plat is an accurate representation of a correct survey showing the location of #5 Federal-258

Date: <u>5-13-77</u> Licen

Licensed Land Surveyor No. 2711
State of Utah



# UNITED STATES (Other instructions reverse

SUBMIT IN TRIBLATE\*
(Other instruction on reverse side)

Form approved. Budget Bureau No. 42-R1425.

	DEPARTMENT	OF THE I	NTEF	RIOR	•	5. LEASE DESIGNATION AND SERIAL NO.			
	U-14258								
	N FOR PERMIT T	O DRILL, [	DEEPI	N, OR PLUG B	ACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
DRI DRI DRI DRI DRI DRI DRI DE TYPE OF WELL	LL 🖪	DEEPEN [	J	PLUG BAC	K 🗆	7. UNIT AGREEMENT NAME			
OTT. C	AS OTHER			NGLE MULTIPI	• 🔼	8. FARM OR LEASE NAME			
2. NAME OF OPERATOR	1007433 VALUE			(9) h. d.	A.	Federal /			
THE ANSCHU	TZ CORPORAT	TION, INC	•	/> MECENTER		9. WELL NO.			
3. ADDRESS OF OPERATOR	O1 -			OD JUN 3	[]	#5 Federal 258			
1110 Denver	Club Building,	Denver, C	olor	ado DIVISION 197	7	10. FIELD AND POOL, OR WILDCAT  New Field			
At surface 2035!	FEL 653' FN	in accordance wit	ш апу с	MINING	[No]	11. SEC., T., R., M., OB BLE. AND SURVEY OR AREA			
At proposed prod. zon	e	- 0				Sec. 8, T18S - R24E			
14. DISTANCE IN MILES	Same	EST TOWN OR POS	T OFFIC		<u> </u>	12. COUNTY OR PARISH   13. STATE			
	ely 8 miles NW	•				Grand Utah			
15. DISTANCE FROM PROPO	SED*	- · · · · · · · · · · · · · · · · · · ·		o. OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL			
LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig	INE, FT.	65 <b>3'</b>		1919.52		80 acres -			
18. DISTANCE FROM PROP	OSED LOCATION*		19. PE	OPOSED DEPTH		RY OR CABLE TOOLS			
TO NEAREST WELL, DI OR APPLIED FOR, ON THE			4	220'	Rota				
21. ELEVATIONS (Show who		The same of the sa		•		July 15, 1977			
5147 GR		ROPOSED CASI	IG ANI	CEMENTING PROGRA		Today 103 1071			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	OOT	SETTING DEPTH	1	QUANTITY OF CEMENT			
12 1/4"	8 5/8"	32.00#		2001	180	sacks			
7 7/8"	4 1/2"	9.5 <b>0</b> #		4500'	200 sacks				
EXHIBITS ATT	c logs and set consolidate	asing, if p DREPOR	orodi T TC	uctive ) COVER FIVE		EVELOPMENT WELLS  Point Compliance			
(3) Blow out pr	eventer diagra	m for all v	vells	(4) Cut and fi	ll sect	tion and pad layout			
for each well (5	i) A central tai	nk battery	and	flow line layou	t(6) N	Map into location			
	Compliance pro					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
					a j	马马子 山區 集制 多奇别民族			
IN ABOVE SPACE DESCRIBE	PROPOSED PROGRAM: If p	proposal is to deep lly, give pertinen	pen or j t data (	olug back, give data on pr on subsurface locations an	esent prod d measure	luctive zone and proposed new productive d and true vertical depths. Give blowout			
preventer program, if an	у			Agent for					
24. George				he Anschutz Co	rpora	tion June 1, 1977			
SIGNED	Jew Jen	TI	rle	/ / / / / / / / / / / / / / / / / / / /	, po	DATE			
(This space for Fede	rm or State office use)								
PERMIT NO.	3-019-303	04		APPROVAL DATE					
APPROVED BYCONDITIONS OF APPROV	'AL, IF ANY:	TE	rl <b>e</b>		(),	DATE			
						\			



### ENVIRONMENTAL ENGINEERING COMPANY

Professional Engineering Services

The state of the s

P. O. Box 3341 Casper, Wyoming 82601 Phone (307) 234-6186

1645 Court Place Suite 229 Denver, Colorado 80202 Phone (303) 892-1506

June 1, 1977

Mr. Edgar W. Guynn U.S. Geological Survey 8440 Federal Building Salt Lake City, Utah 84138

> RE: Filing NTL-6 and APD The Anschutz Corporation #2 Federal 258 #3 Federal 258 #4 Federal 258 #5 Federal 258 #1 Federal 350 Grand County, Utah

Dear Mr. Guynn:

Enclosed are three copies of the filing for the five development wells of the Anschutz Corporation. Please forward one copy to the BLM and advise us when it would be convenient to make on-site inspections.

Very truly yours,

George H. Fentress Agent Consultant for

The Anschutz Corporation, Inc.

GHF/bk Encl.

cc: Mr. Phil Herrington

#### EXHIBIT "B"

### TEN-POINT COMPLIANCE PROGRAM OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C The Anschutz Corporation

(1)	#2 - Federal - 258
` '	630' FSL 660' FEL
	Sec . 5 - T18S - R24E

- (4) #5 Federal 258 653' FNL 2035' FEL Sec. 8 - T18S - R24E
- (2) #3 -Federal 258 1887' FNL 695' FEL Sec. 5 - T18S - R24E
- (5) #1 Federal 350 2054' FSL 673' FWL Sec. 4 - T185 - R24E
- (3) #4 Federal 258 610' FNL 1910' FEL Sec. 5 - T185 - R24E

All in Grand County, Utah

### 1. The Geologic Surface Formation

The five development wells are all situated on the northwestern edge of the Grand Valley. The surface consists of alluvial and colluvial deposits derived from the sedimentary formations which form the steep faces of the Book Cliffs. The surface formation is the dark gray Mancos Shale and the Cliffs are formed from resistant Cretaceous and Tertiary sandstones.

### 2. Estimated Important Geologic Markers

See Table I

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

See Table II

### 4. The Proposed Casing Program

The casing program for all five wells is identical. 200 feet of 8 5/8" new K-55, 24# casing will be set in a 12 1/4" surface hole. This will be set with 180 sacks of Class G cement with return flow to the surface.

#### 4. The Proposed Casing Program cont'd

In the event of production, each well will set new 4 1/2", 9.5# production casing in a 7 7/8" hole at T.D. This will be set with 200 sacks of 50-50 Posmix with 2% gel and 2% Cacl<sub>2</sub>.

#### 5. The Operator's Minimum Specifications for Pressure Control

Exhibit "C" is a schematic diagram of the blowout preventer equipment planned for used in these wells. The BOP's will be hydraulically tested to the full working pressure after nippling up and after any use under pressure. Pipe rams will be operationally checked each 24 hour period. The blind rams and annula preventer will be checked each time pipe is pulled out of the hole. All testings will be recorded in the daily drill sheets. Accessories to BOP's include upper and lower kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

#### 6. The Type and Characteristics of Proposed Muds

- (a) It is planned that each well will be drilled with air from the base of the surface casing to the total depth. If air is abandoned, then (b) and (c) will be used.
- (b) If air drilling is abandoned, then the hole will be drilled with native muds to 4000'.
- (c) From 4000' to TD the hole will be drilled with Chem-Gel with the mud weighted as necessary for good hole conditions. The water loss will be kept from 8 to 12cc and the viscosity between 35 and 45.

### 7. The Auxilliary Equipment to be Used

- (a) A kelly cock will be kept in the string at all times.
- (b) A float will be used at the bit at all times.
- (c) A gas detecting device will monitor the system.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly cock is not in the string.

### 8. The Testing, Logging, and Coring Programs

- (a) All valid shows will be tested. The objective for each well is the Morrison Formation.
- (b) If air drilled, an induction log will be run from TD to the base of the surface casing and gamma ray, compensated formation density, and sidewall neutron porosity logs will be run at the minimum footage. If the hole is fluid filled, a dual induction log will be run from TD to the base of the surface casing and gamma ray, compensated formation density, and compensated neutron logs will run at the minimum footage.
- (c) No coring is anticipated.

# 9. Any Anticipated Abnormal Pressures or Temperatures Expected

No abnormal pressures or temperatures have been noted or reported in the wells drilled in this area to these depths. No hydrogen sulphide or other hazardous gases or fluids have been found reported or known to exist at these depths in this area.

## 10. The Anticipated Starting Date and Duration of Operations

The anticipated starting date is set for July 1, 1977, or as soon as possible after examination of the surface and approval of all drilling requirements.

It is anticipated that each well should be completed within 20 days after spudding the well.

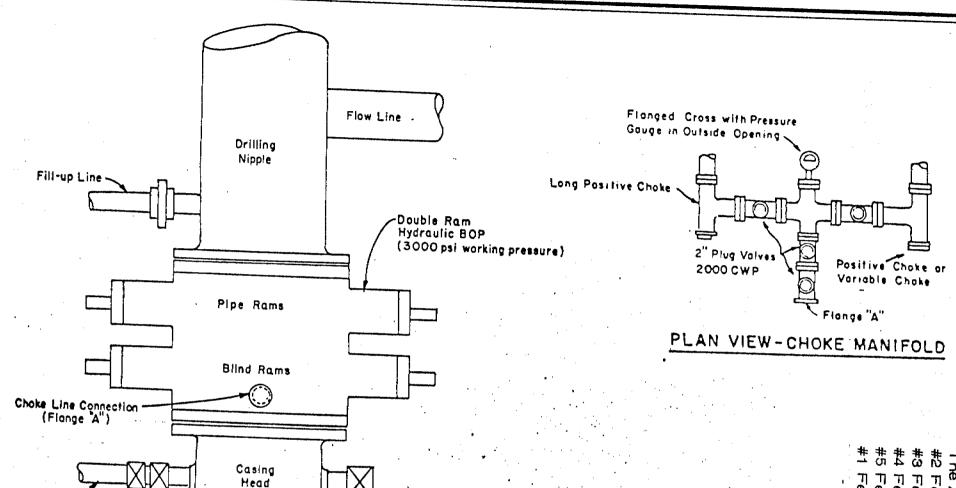
TABLE I
ESTIMATED IMPORTANT GEOLOGIC MARKERS

	#2 F	ed 258	#3 Fed 258		#4 F	Fed 258	#5 F	ed 258	#1	Fed 350
Formation	Depth	Elevation		Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation
Mancos	78'	+5090'	3521	+4903'	4861	+46901	194'	+496 <b>3'</b>	501	+51 <b>13'</b>
Dakota	3783'	+13851	40551	+1200'	4190'	+9 <b>8</b> 61	3897'	+126 <b>0</b> ¹	37511	+1410'
Cedar Mountain	39031	+1265'	41801	+10751	4315'	<del>+8</del> 611	40221	+1135	3871'	+12901
Morrison	39981	+1170	42751	+9801	4411'	+7651	41181	+10391	<b>3</b> 961 <sup>1</sup>	+1200'
E.T.D.	41001	+10681	43751	+8801	4515'	+661 <sup>†</sup>	4220'	+9271	4065'	+1 <b>0</b> 96¹

TABLE II

ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS
OR MINERALS

Formation and Anticipated Fluid	#2 Fed 258	#3 Fed 258	#4 Fed 258	#5 Fed 258	#1 Fed 350
Dakota Gas and/or oil or water	3783'	4055¹	4190'	3897'	37511
Cedar Mountain Gas and/or water	3903'	4180'	4315'	4022'	3871†
Morrison Gas and/or water	39981	42751	4411	4118'	39611



Kill Line -

2 Valves (2") (3000 psi working pressure) EXHMIT "C"

BLOWOUT PREVENTER DIAGRAM

The Anschutz Corporation

#2 Federal 258

#3 Federal 258

#4 Federal 258

#5 Federal 258

# EXHIBIT "D" MULTIPOINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C The Anschutz Corporation

- (1) #2 Federal 258 630' FSL - 660' FEL Sec. 5, T18S, R24E
- (2) #3 Federal 258 1887' FNL - 695' FEL Sec. 5, T18S, R24E
- (3) #4 Federal 258 610" FNL - 1910' FEL Sec 5, T18S, R24E

- (4) #5 Federal 258 653' FNL - 2035' FEL Sec. 8, T18S, R24E
- (5) #1 Federal 350 2054' FSL - 673' FWL Sec. 4, T18S, R24E

All in Grand County, Utah

#### 1. Existing Roads

- A. EXHIBIT "A", 1 5, are the proposed well sites as staked by Powers Elevation Service, and the ground elevations are shown thereon.
- B. EXHIBIT "E" is a color coded map prepared from the Southeastern Central Utah Map No. 2 of the Utah Travel Council, and was used because general features show more prominantly than other maps found. One travels 40 miles on I-70 from Thompson, Utah, east to the Harley Dome exit, then proceed north and east on U.S. 6 and 50. At the Westwater Unit turnoff, it is approximately 11 miles northwest on gravel and dirt road to the five locations. All locations are within 1,000 feet of this road, which can be used in most weather conditions. The red color in Exhibit "E" indicates this good, passable road.
- C. EXHIBIT "F" is prepared from 7 1/2' U.S.G.S. Dry Canyon Topographic Quadrangle. The red color shows the existing, usable road and ranch buildings in the area. The green color indicates the roads which must be built to provide access to each location.
- D. This is not an exploratory well.

EXHIBIT "D"

Multipoint Requirements to Accompany APD

Page 2.

- E. These are development wells around Anschutz's Discovery well #1 FED 258. All known existing roads in the area are shown in Exhibit "F". Generally, all roads are gravel or hard packed dirt.
- F. There is no plan to improve or maintain existing roads.

#### 2. Planned Access Roads

- (1), (2), (3), (4), (5). The short access roads are shown in green in Exhibit "F". These roads need not exceed 16 feet, the maximum grades will be less than 1%, and there will be no need for turnouts, drainage design, culverts, or cut and fill.
- (6) No surfacing materials will be needed during drilling operations. If production is obtained, the access roads will be surfaced with local stream gravel.
- (7) No gates, fence cuts, or cattle guards are needed.
- (8) The access roads will all be less than 1,000' in length and therefore do not need to be center line flagged.

#### 3. Location of Existing Wells

A one mile radius from each of the proposed development wells is indicated in Exhibit "F". All known wells and their current status are indicated thereon.

- (1) No known water wells exist in the area.
- (2) As shown in Exhibit "F" there are no dry holes within the one mile radius. The closest dry holes are in Sec. 10 and 16 and in Sec. 29, T17S-R24E.
- (3), (4), (5) There are no known temporarily abandoned, disposal or drilling wells in the area.

EXHIBIT "D"

Multipoint Requirements to Accompany APD

Page 3.

### 3. Location of Existing Wells Cont'd

- (6) The only producing well in this area is the Anschutz Corporation's Discovery well #1-Fed-258, as shown in Exhibit "F".
- (7), (8), (9). There are no known shut-in, injection, or observation wells in this area.

### 4. Location of Existing and/or Proposed Facilities

Exhibit "F" is color-coded with blue, in addition to red for the access and existing roads. The blue represents 2 3/8" flow lines, gas or oil, that will follow the used roads to the central tank battery at #1-Fed-258. Flow lines will not be buried, except at the central battery, unless allowed otherwise.

Exhibit "I" is an example of present existing tank battery for #1-Fed-258 and proposed additional facilities, if needed.

### 5. Location and Type of Water Supply

Water, if needed, will be obtained from flowing water in Westwater Creek.

### 6. Construction Materials

A,B,C,D. No construction materials are needed for drilling operations. The sand, gravel and rock located in situ are adequate for any construction necessary in connection with either dry or producing wells. There are no access routes needed for crossing Indian land. The access routes for crossing Federal land are shown in green in Exhibit "F".

### 7. Handling Waste Disposals

For all five wells:

(1) Drill cuttings will be buried in the reserve pit when covered.

EXHIBIT "D"

Multipoint Requirements to Accompany APD

Page 4.

### 7. Handling Waste Disposals Cont'd

- (2) Drilling fluids will also be handled in the reserve pit.
- (3) Any fluids produced while drill stem testing or producing or other testing will be collected in a test tank set near the pipe baskets or near the well head. Any unavoidable spills of oil or other adverse substances or materials will be covered or removed immediately during drilling progress or during completion operations.
- (4) Any sewage will be covered or removed.
- (5) Garbage, wastes and non-flammable wastes, salts and other chemicals produced or used during drilling or testing will be handled in the reserve pit or kept in the trash or burn pit. The trash or burn pit will be covered with small wire mesh to prevent scattering.
- (6) The reserve pit, in addition to the trash or burn pit, will be fenced on three sides during drilling operations, and iron or other posts and wire fencing will be available on each location immediately upon cessation of drilling and the fourth side of the reserve pit will be fenced prior to full removal of the rig from the location. Any other dangerous or harmful pits or sewage areas will also be fenced or covered at the time rig moved off location.

### 8. Ancillary Facilities

No airstrips, camps, or other living facilities will be built or needed.

EXHIBIT "D"

Multipoint Requirements to Accompany APD

Page 5.

#### 9. Well Site Layout

- (1) Exhibit "G", 1 through 5, are the drill pad layouts as staked by Powers Elevation Company. The elevation contours have been drawn on these plats by Beathard. The cut and fill cross section for each location is designated A-A' and location has been constructed from these contours. The top 6 inches of soil will be stockpiled as shown on each plat. The location of the excess material removed during the drill pad preparation is also shown on each plat.
- (2) The mud tanks, pits, rig orientation, etc. for all five wells are Exhibit "H". If the wells are drilled by air, these facilities may change accordingly.
- (3) Exhibit "H", also shows the rig orientation, parking areas and access roads for each location.
- (4) The reserve pit will not be lined. Steel mud pits, if used, will be as shown in Exhibit "H".

### 10. Plans for Restoration

- (1) Backfilling, leveling and contouring will be accomplished as soon as possible after plugging of each well, or immediately on those areas unused if production is obtained. Waste disposal and spoils materials will be buried or hauled away immediately before rig moves off location.
- (2) Rehabilitation will be accomplished by spreading the banked topsoil over the area and contouring the banks that will be created in this heavily eroded area so that vegetation planted will be best protected from erosion. Revegetation will be accomplished using grasses or mixtures suited best for the dry, arid conditions encountered here. The access roads will be revegetated as needed.

EXHIBIT "D"

Multipoint Requirements to Accompany APD

Page 6.

### 10. Plans for Restoration Cont'd

- (3) Prior to rig release, the fourth side of the reserve pit at each drill site will be fenced and maintained until clean up operations are finished.
- (4) Any oil or spills will be immediately cleaned up or flagged.
- (5) Rehabilitation operations will commence as soon as the rig moves off location. However, revegetation will be delayed until the fall of 1977 or the spring of 1978 for optimum growth potential.

### 11. Other Information

These development wells are located on the northwestern edge of the Grand Valley at the foot of the Book Cliffs. The topography of the immediate area grades from flat prairie to gullied hills, steepening with increasing proximity to the Cliffs. Long, narrow canyons, the majority of which carry only intermittent stream flow, form the chief topographic features of the Book Cliffs. This area receives very little annual precipitation; however, as this area is located at the mouth of Hay Canyon, it is subject to flash flooding.

The canyon bottoms and adjacent flatlands are composed predominantly of alluvial and colluvial material consisting of poorly sorted boulders, gravel, sand and silt. The soil on all locations is a sandy, silty clay formed from this material and is primarily derived from the Cretaceous Mancos Shale and the resistant Cretaceous and Tertiary sands forming the cliffs (refer to Item 1 of Exhibit "B").

The Flora at all five locations is identical and consists of sagebrush, tumbleweed, cactus, bunch grass and other sparse grasses, and occasionally Pinyon Pine and Juniper. The vegetation constitutes approximately 40-70% of the ground cover. The remaining exposed soil material is highly erodible. The observed animal population is

EXHIBIT "D"

Multipoint Requirements to Accompany APD

Page 8.

### 12. Lessee's or Operator's Representative Cont'd

Phil Herrington
The Anschutz Corporation, Inc.
1110 Denver Club Building
Denver, Colorado 80202

Phone: (303) 573-5665 Res: (303) 494-0576

### 13. Certification

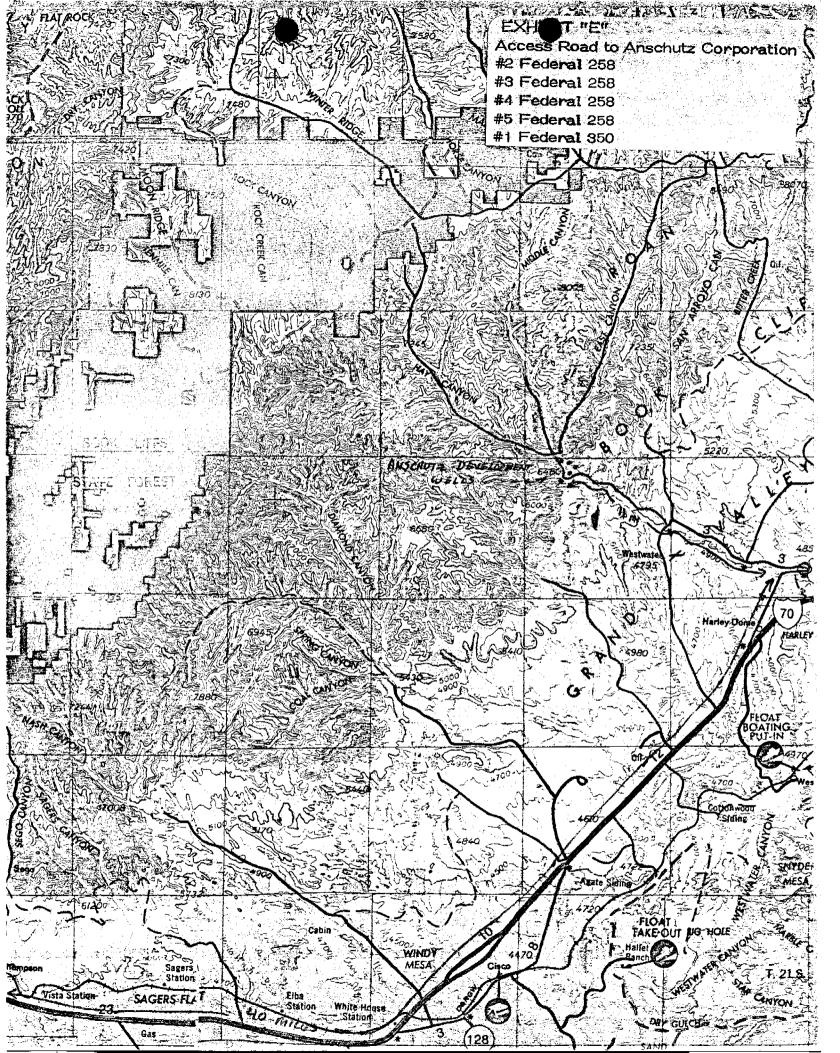
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by The Anschutz Corporation, Inc. and its contractors and sub-contractors in conformity with this plan and their terms and conditions under which it is approved.

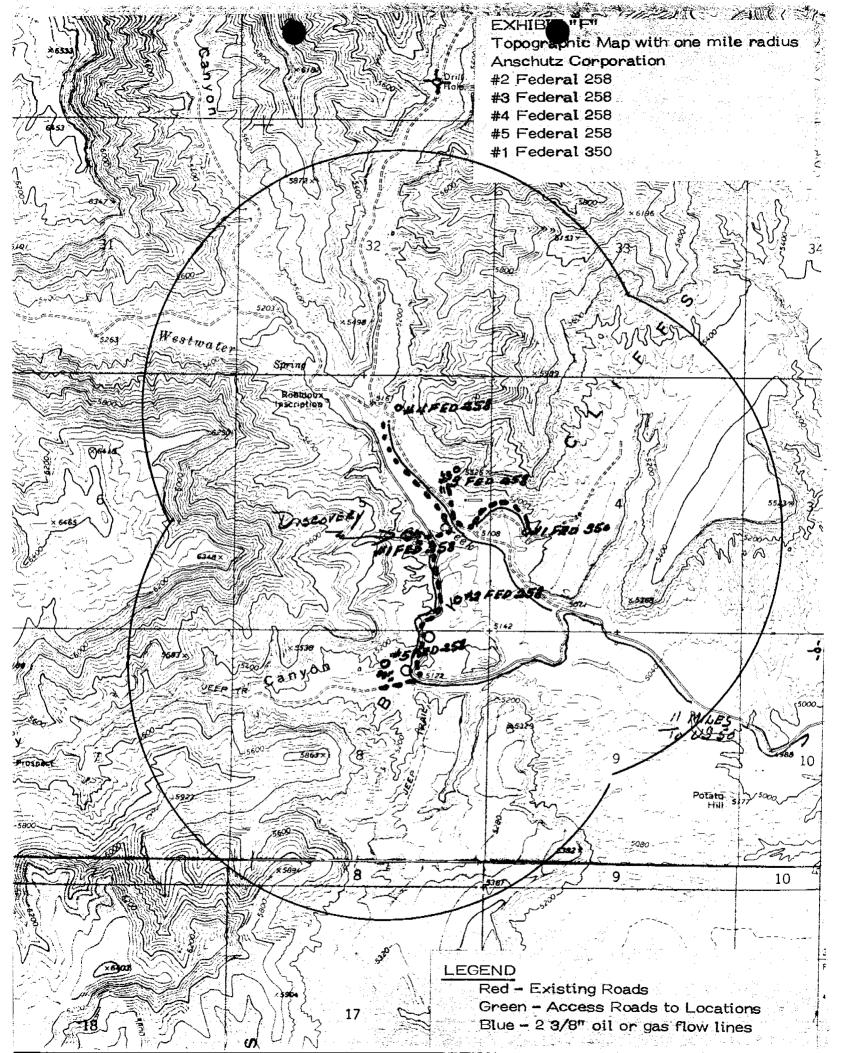
Date: June

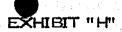
Name: George H. Fentress

Title: Agent Consultant for

The Anschutz Corporation



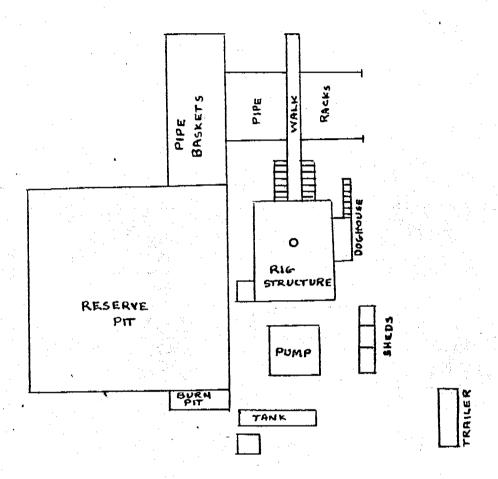




### SIMPLIFIED RIG LAYOUT

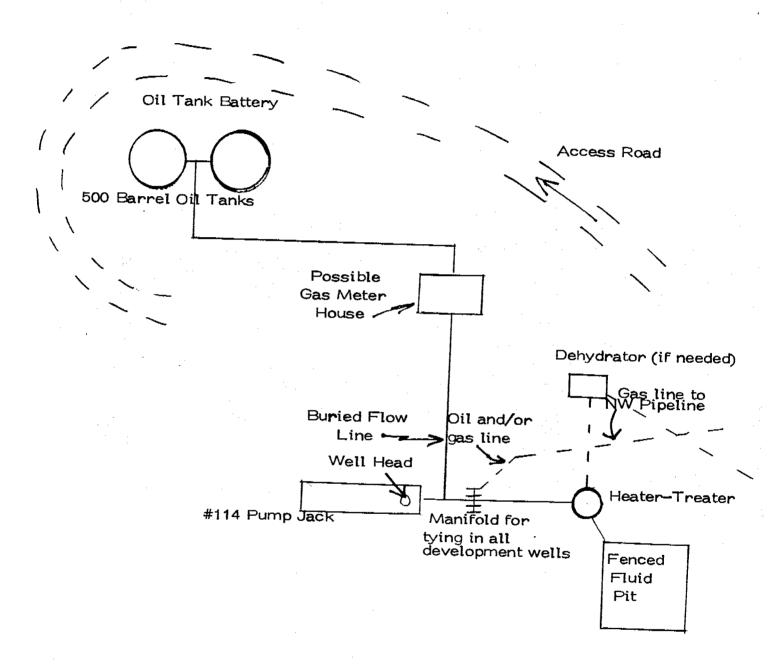
SMALL LOCATION

For Each of 5 - Anschutz Development Wells



- Rig will be oriented on drill pad as best suited for pits and topography
- 2. Each drill pad is immediately off of existing roads except #3 - Fed - 258 (See Exhibit "F" for its access)

Central Production Battery Located on #1 Federal 258 NW SE Sec. 5, T18S-R24E



ALL LINES ARE PLANNED TO BE 2 3/8" O.D.

** FILE N	OTATIONS **
Date:	
Operator: austhut	Cisp.
Weil No: #5 Fod. 25	7
Location: Sec. 7 T. IPS R.	34E County: Grand
File Prepared / //// Card Indexed / ////	Entered on N.I.D.  Completion Sheet
CHECKED BY:	
Administrative Assistan	
Remarks: OC-10 Other	el Wellow See. 8_
Petroleum Engineer	OF 1
Remarks:	
Director	7
Remarks:	
INCLUDE WITHIN APPROVAL LETTER:	
Bond Required 10 1	Survey Plat Required / /
Order No/	Surface Casing Change //
Rule C-3(c), Topographic excep within a 660' rad	tion/company owns or controls acreage lius of proposed site /
0.K. Rule C-3 /	O.K. In Unit //
Other:	
	Letter written/Approved

June 6, 1977

The Anschutz Corporation c/o Mr. George H. Fentress 1645 Court Place Suite 229 Denver, Colorado 80202

Re: Well No's: API NO.
#2 Federal 258 - 43-019-30361
#3 Federal 258 - 43-019-30362
#4 Federal 258 - 43-019-30364
#5 Federal 258 - 43-019-30364
#1 Federal 350 - 43-019-30365
Grand County, Utah

#### Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer HOME: 582-7247 OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations have commenced, and that the rig number and drilling contractor be identified.

The API numbers assigned to these wells are indicated above.

Very truly yours,

CLEON B. FEIGHT Director

cc: U.S. Geological Survey

FROM: DI

DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO:

DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Wel	1	Location		Lease No.
1	NECHUTZ	2035 FEL VG	ROYE, SLM TAH GLE! 5147	11-14750
10 P	RPORATION, INC.	SEC. 8, 1, 185,	KAYE, SLM	10-17-930
	FEDERAL 358	GRAND CO U	TAH GREI. 5147	<u></u>
1.	Stratigraphy and Pote	intial The m	ell well comme	me in the
j	Cost least	Sandatone h	ember of the	Truce Briner
	<u>ب ب</u> ب	the means	vous. We	ala volavego.
	to test the	Dalcata (	ielar hountain atural gas. E. ore reasonable	and horrison
İ	Formations la	n oil and in	atural gas. E.	agast bestomites
2.	Fresh Water Sands.	by operator.	ore reasonable	
		2 2 T		
	$C = + \epsilon$ $\rightarrow \mathcal{V}$	retour eldos	and Thancoo formations	+0
	Theregare	Sandstone	and thances	m Me
	19 July	no of deeper	- formations.	manas (Ferran
3.	Other Mineral Bearing	Formations.	britis.	Thropord m.
3.	(Coal, Oil Shale, Pot	ash, Etc.)	the major of the major of	
ر ا	for coal but at	this location	consid prospect	mely voluable
	trationan his	alla below	the sum of	cong.
	the Di	Dt. France	time major c	oal zones off
	wa some	Sures 10 -11 ac	much our	glisse your
4.	Possible Lost Circula	tion Zones.		,
1	1	Interioun		
	<b>,</b>	moison	•:	
_				
5.	Other Horizons Which			
	Mud, Casing, or Cemen		4	<u> </u>
		age la Oral	netrated fresh	retorn
		a further or	Gelarten	
6.	Possible Abnormal Pre	ssure Zones	•	•
	and Temperature Gradi	ents.		
1		Unbenoun	•	
7.	Competency of Beds at	Proposed		
	Casing Setting Points		· +	``
		Enololly.	adequale.	ļ ·
		·	0	
8.	Additional Logs or Sa	mnles Needed		
۱۳.	Muultional Logs of Ja	Nove		
	•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
9.	References and Remark	s Within a	mile radius	al KGS
· ·			2 5 5 7 1	0
D=+	01 /o = 7 1 7E	U.S.G.S B.J		,1706
vat	e: 6-21-77	- 101	Signed: REG.	
	T//	/ V S. W. 187	)	

									. *		•					_			d.	
	1			;	_!	;	j	1					,		~		4 T 1 /	ET	A. NO	CC3
ATTACHMENT 2-A	SUN	M.	AR'	Y OF	Εħ	IV!	RO	MMI	EN.	IAI	- !	MP	AC	1	EV	ALU.	AIIL	7N ET	A: NO	<u>SS3</u> /5/22
OPERATOR Par party to	-	٠	<u> </u>			_			_					-				DAT	<u> </u>	5///
OPERATOR Anachuty LEASE # 4-14258 WELL NO. #5 3 des	^ ا ′	İ.,	l !				uti				Hii	ng ctic		-		napo ratio		Accid	onts	Others
WELL NO #= 2 admit	2	ons	iru	CHOR		011	u		<u> </u>				<del>"</del>	→	Oper	-	5	ACCIO	013	
	7			_				atc.]		_						1		•		
LOC. MANUE NESEC. 8	1			ţ.				3,8		163		3	<u>@</u>							
1. 783 R. 24E				9.				903,		Ξ		ŝ	Ξ.							
COUNTY STATE	4	69	İ	Ö	sai			S T C		90		15	5				•			·
USGS COOK BLM Crunett		pipelines		.0	odg	65		oxi(		3,		scenic views	의						·	
USGS COOK	1	l <u>a</u>	£	5.2	Ġ.	Pa	_	u.	1	10	_	5	ě							
BLM Carried	8	2	je i	:# S	ž	30	200	263	]	Ď	91	. <u>5</u>	Ď	1		·			1 2	
REP: Copper	_   <u>-</u>	ě	ğ	15 E		P	å	90		Pro	ő	9	Sir					- 5	ē	
<u> 1717.</u>	-   6	١	S	윤	36	Sec	g	xic	2	9	Яe	31	Se					2	- 5	
	15	) iš	impoundments	23	٦,	E	S	30	E	Ş	ory.	9	2			<b>6</b>		and leaks	io G	]
NO IMPACT	ءً ا	<u>=</u>	Ø	8	ig.	P	15	13	<u>Ā</u>	re	ğ	9 or	힏	5	£ 3	Ē	27.5	<u>•</u>	i e	
MINOR IMPACT	Roads bridges gireorts	Transmission lines,	Dams &	Others (pump stations, compressor stations, etc.)	Burning, noise, Junk disposal	Liquid effluent discharge	E G	Others (toxic gases, noxious	Well drilling	Fluid removal (Prod. wells, facilities	Secondory Recovery	Noise or obstruction of	Mineral processing (ext. facilities)	Others	Trucks	Pipelines	Others	Spil 1s	Operational failure	
X MAJOR IMPACT	ď	۲	۵	ō	ã		တ်	0	3	L.	Ś	ž	푈	이	۲	Δ,	0	S.	, o	
Forestry N.A.	1	T																	<u>:</u>	
Grazing	7	1	1		1	7			1			1			/			/	/	
Wilderness NA	7	$\top$																		1
Agriculture 11+	7.	T													1					
Residential-Commercial	11	4	<del>                                     </del>			<u> </u>	1		i	Γ										
	A	1	Τ_				<u> </u>													
Mineral Extraction No. Recreation V Scenic Views V	. 0	,	1		1	1			1			1			1					-
	1		1		1	1	Ĺ	<u> </u>	1	L	<u> </u>	4	_	_					/	
Porks, Reserves, Monuments	<b>?</b> -	İ							1											
Historical Sites No.	16	+	100	vil		-													<u> </u>	
Unique Physical Features							П		1											
Dista			1		1	,			1			7			7			/	/	
Land Animals	- 1	-	1		1.	1			1,						/				/	
Fish Of	1	+-	1		<del>                                     </del>		<del>                                     </del>		1		Г									
<u> </u>	ne	+ ,	4 11	ew A			i	-	1	Τ										
Trees, Gross, Etc.	ميار <i>.</i> ما م	/	1		1	1			1		١.	1			7			1		
_ Surface Water N-A	1 1	$\top$	+			1			1											
8 Underground Water 7		1	1			1	1													<u> </u>
Air Quality	- -	+	1	1	1	T	1	ļ	1						1					
S Fragion		i	1		1	1		İ	1						/			1	1	
Other		İ	Ť		Ĺ					Ī										
Effect On Local Economy	y												. [							
	رار	٦	1	3					13						0					,
Cofeeu G Haalah	-	4-	10	1	+	+-	-	<del> </del>	۲	1	$\vdash$						<del>                                     </del>			
Safety& Health	_		,			1.			1/						,			,	,	
	21	<u>'</u>	1	<del> </del>	${\mu}$	1/	-	<del> </del>	+-	+-	<del> -</del>	-						<del>                                     </del>	<u> </u>	
Others Jung - F	e Rão	4														· ·				
I W W	ملم	$\downarrow$		را		X	<u> </u> _	<del> </del>	10	1	!			-						
cc. Kis - No	7			& cy	) <i>/</i> (	Ø	Po	ra		FC	2									
tom-	1	1		1 L	1		1		سل	1									]	
The ?	كالو	Ł			1-	<u>.</u>	1_		1_	<u>l .</u>	<u> </u>		Ш	لما	<u> </u>	<u> </u>	<u> </u>	<u> </u>	1	1
<del>-</del>			1	(																

EIA NO. <u>553</u>

LEASE (1)H 258	DATE 2/5/22
WELL NO. # 5 Fed. 258	· · ·
LOCATION: NE 4, SEC. 8 T. 185	
FIELD NEW COUNTY Sum	STATE Utah
	1
ENVIRONMENTAL IMPACT ANALYSIS - AT	ITACHMENT Z-B
I. PROPOSED ACTION	Kanada Peringgan Pangan Pangan Pangan Pangan Pangan Pangan Pangan Pangan Pangan Pangan Pangan Pangan Pangan Pa Pangan Pangan
anschutz Corporation PROPOSES	S TO DRILL AN OIL AND
GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 4220 FT.	TD. 2) TO CONSTRUCT A
DRILL PAD 725 FT. X 230 FT. AND A RESERVE PIT .	
3) TO CONSTRUCT /6 FT. WIDE X /00 # NHLES ACCE	
FT. WIDE X MILES ACCESS ROAD FROM AN EXISTING A	
GAS COIL PRODUCTION FACILITIES ON THE DISTURBE	O AREA FOR THE DRILL PAD
AND TRUCK TRANSPORT THE PRODUCTION THROUGH A	PIPELINE TO A TIE-IN IN
SECTION R.	
2. LOCATION AND NATURAL SETTING (EXISTING ENVIRONMENT	TAL SITUATION).
(I) TOPOGRAPHY: ROLLING HILLS DISSECTED	TOPOGRAPHY . DESSERT
OR PLAINS STEEP CANYON SIDES NARROW CANYON F	· ·
IN AREA SURFACE WATER	ECONO CELIDEEI DIVINIVIO
(2) VEGETATION: SAGEBRUSH PINION-JUNIPER	DIANE/EID GADALAND
	<del></del> .
(CULTIVATED) NATIVE GRASSES OTHER	five brush

MAMMA L BIRDS ENDANGERED SPECIES OTHER
(4) LAND USE: RECREATION LIVESTOCK GRAZING AGRICULTURE MINING INDUSTRIAL RESIDENTIAL OIL & GAS OPERATIONS
REF: BLM LMBRELLA EAR Dil 4 leas leasing Program  WEFS EAR Grand Resources are 8-13-75  OTHER ENVIRONMENTAL ANALYSIS  3. Effects on Environment by Proposed Action (potential impact)  1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC
ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.
2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.
3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.
4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.
5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.
6)

4. Alternatives to the Poposed Action
1) NOT APPROVING THE PROPOSED PERMIT THE OIL AND GAS LEASE GRANTS THE
LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL
OIL AND GAS DEPOSITS.
2) Deny the proposed permit and suggest an alternate Location to minimize environmental impacts. No alternate Location on this lease would justify this action.
3) Location was moved to avoid
LARGE SIDEHILL CUTS NATURAL DRAINAGE OTHER
4)
5. Adverse Environmental Effects Which Cannot Be Avoided  1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.  2) MINOR INDUCED AND ACCELERATED FROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.  3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.  4) TEMPORARY DISTURBANCE OF LIVESTOCK.  5) MINOR AND SHORT-TERM VISUAL IMPACTS.
6. DETERMINATION:  (THIS REQUESTED ACTION (DOES) (DOES NOT) CONSTITUTE A MAJOR FEDERAL ACTION SIGNIFICANTLY AFFECTING THE ENVIRONMENT IN THE SENSE OF NEPA, SECTION 102(2) (C).  DATE INSPECTED 7/5/77  U. S. GEOLOGICAL SURVEY CONSERVATION DIVISION - OIL & GAS OPERATION SALT LAKE CITY DISTRICT



1110 DENVER CLUB BUILDING 518 SEVENTEENTH STREET DENVER, COLORADO 80202 TELEPHONE 303--573.5665 TWX 910 931 2620

July 21, 1978

Mr. Edgar Guynn District Engineer U. S. Geological Survey 8426 Federal Building Salt Lake City, Utah 84138

Re: Federal 258 No. 5 2035'FEL 653'FNL Sec.8, T18S, R24E Grand County, Utah

Dear Mr. Guynn:

We wish to submit plugging forms, completion report, and a preliminary copy of the core analysis on the above referenced location. The logs on this well will come to you under a separate cover.

If you have any questions, please call.

Thank you.

Cordially,

Peter B. Doty Operations Coordinator

PBD/kak Enclosures

cc: Oil and Gas Conservation Commission

# UNDED STATES SUBMIT IN DUPLE DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(Secother instructions on reverse side)

Form approved. Budget Bureau No. 42-R355.

5. Lease designation and serial no. U-14258

WELL CO	MPLET	ION C	R RECO	MPLETIC	ON R	EPOR'	TAN	P_LQG*	6.	IF INDIAN	, ALLOT	TEE OR TRIBB NAM
1a. TYPE OF WEL	L:	OII. WELL	GAS WELL	DRY	$\boxtimes$	Other	1/23/	7110	7.	UNIT AGR	EEMENT	NAME
b. TYPE OF COM						75	6/	15U X	$\Delta$			
WELL	WORK OVER	DEED-	DACK BACK	DIFF.	🔲	Other -	REC	TUE!	<u> </u>	FARM OR	LEASE !	NAME
2. NAME OF OPERAT	ron	*				N		75 13.	凹	Fed	leral	258
The Anschu	ıtz Cor	porati	on				10r	75 Jih	<del>-                                      </del>	WELL NO.	-	
3. ADDRESS OF OPE	RATOR				··· · · · ·	100/	DIAIS	. & MINING		5		_
1110 Denve	r Club	Bldg,	Denver,	Colorad	do 80	202	$\lambda$ GAS	·, -	10	FIELD A	ND POOL	OR WILDCAT
4. LOCATION OF WE	LL (Repor	t location c	learly and in	accordance v	oith any	State Ps	wer en	(a)•	<del>//</del>	Unr	named	<b>\</b>
At surface 2	:035'FE	EL, 653	'FNL					FILE	11	. SEC., T., OR AREA	R., M., O	R BLOCK AND BURVE
At top prod. int	terval repo	orted below			-							
At total depth								·	•	Sec. 8	3, T	18S, R 24E
				14. AP		_	DATE	ISSUED	12	, COUNTY PARISH	OR	13. STATE
				43-019			6-	-6-77		Grand		Utah
15. DATE SPUDDED		E T.D. REAC	1	TE COMPL. (R	eady to	prod.)		ATIONS (DF, R				LEV. CASINGHEAD
6-26-78	1	-5-78		7-7-78			5147		5157		!	5147'
20. TOTAL DEPTH, MD	A TVD	21. PLUG, B	ACK T.D., MD A		IF MULT HOW MA	TIPLE COM	PL.,	23. INTERVA	BY	OTARY TOO		CABLE TOOLS
4419	<u>_</u>							<del></del>	Su	rface-		None
24. PRODUCING INTER	RVAL(S), O	F THIS CO	APLETION—TO	P, BOTTOM, N	аме (м	D AND TV	D)*				25.	WAS DIRECTIONAL SURVEY MADE
None												Yes
26. TYPE ELECTRIC	AND OTHER	LOGS RUN									27. WA	S WELL CORED
DIL, CN/FD	)											Yes
28.			CAS	ING RECOR	D (Rene	ort all str	inas set is	n scell)				
CASING SIZE	WEIGI	RT, LB./FT.		ET (MD)		E SIZE	1		ING RECO	ORD	1	AMOUNT PULLED
7-5/8	2	26	22	4'	. 9	9-7/8 To Surfa			face			None
· · · · · · · · · · · · · · · · · · ·				·				10 001		· · · · · · · · ·		none
		<del> </del>										
											··	
29.		LIN	VER RECORI					30.	TUB	ING REC	ORD	
SIZE	TOP (M	D) BC	TTOM (MD)	SACKS CEM	ENT*	SCREEN	(MD)	SIZE	DEPT	H SET (M	(D)	PACKER SET (MD)
				_					<u> </u>			
31. PERFORATION REC	CORD (Inte	 	and mumbers			<del> </del>					i	
OI. PERFORATION REV	CORD (1786	ereus, asze c	ina number)			32.	AC	ID, SHOT, FR	ACTURE	CEMEN	T SQUE	EZE, ETC.
						DEPTH	INTERVAL	L (MD)	AMOUN	r and kin	D OF M	ATERIAL USED
•							···					
				•		ļ						
							<del></del>					
33.*	·				PPOÉ	UCTION						
DATE FIRST PRODUCT	TON	PRODUCT	ON METHOD (	Flowing, gas			ize and t	ype of pump)			STATUS t-in)	(Producing or
DATE OF TEST	HOURS	TESTED	CHOKE SIZE	PROD'N.	FOR	OIL—BB	I.	GAS~-MCF.		ATER BBI		GAS-OIL RATIO
				TEST PE						ALDI DD.	"	and old wallo
FLOW. TUBING PRESS.	CASING	PRESSURE	CALCULATED 24-HOUR RA		L.	G A	S-MCF.	WA	TER—BBL	,	OIL GR	AVITY-API (CORR.)
94			<b>─</b>	_								<u> </u>
34. Disposition of g	AS (Sold,	used for ful	el, vented, etc.	)					TÉ	ST WITNE	SSED BY	
25 1100 00												
35. LIST OF ATTACH												
Core Analy 36. I hereby certify	sis (1	ogs wi	ll be se	nt under	sep	arate	cover	)				
ou. 1 Mereby Certify		Toregoing a	ing attached i	intormation i	s compl	ete and c	orrect as	determined f	romall a	vailable r	ecords	
SIGNED 7	: 15 L			тіті	.E 0	perati	lons C	oordinat	or	DATI	a .	7-21 <b>-</b> 78
Poto	rĸI	17 T T T T T T T T T T T T T T T T T T T			-							

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency. State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. It is summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Hem 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Hern 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Hern 18: Indicate which elevation is used as reference (where not otherwise shown one interval zone (multiple completion), so state in item 22, and in item 24 show the producing lifers 22 and and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hern 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hern 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF DEPTH INTERVAL TESTED, CUSH	US ZONES: ANT ZONES OF POLYESTED, CUSHION	MARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; DEPTH INTERAL PESTED, CUSHION USED, TIME TOOL OPEN, FLOWING	TS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING PEN, PLOWING AND SHUT-IN PRESSCIES, AND RECOVERIES	38. GEOLO	GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	2	TOF	<b>.</b>
				2448	MEAS, DEPTH	TRUM VERT. DEPTH
Dakota	3587	3676	Shaley Sands	Dakota Silt	3525	+1622
Cedar Mtn.	3676	3742	Wet Sands	Dakota	3587	+1560
Morrison	3742	4210	Shale	Cedar Mtn.	3742	+1405
Summerville	4210	4382	Shale	Entrada	4382	+ 765
Entrada	4382	TD	Wet Sand			
Cored Interval Dakota	See Attached	ached			, , ,	
					·	
			,			

Form 9-331	<b>9</b>	ITED STATES			1	Form appro-	nua#
(May 1963)	DEDART	TENT OF THE IN		Other instru	TE*	Form appro Budget Bur	reau No. 42 R1424
•		EOLOGICAL SURV		erse mide)	3.	U-14258	N AND MERIAL NO.
					—— <del>6</del> .		EE OR TRIBE NAME
4D		CES AND REPOR					
1120 11	ot use this form for proposi Use "APPLICA	ils to drill of to deepen of TION FOR PERMIT—" for	r plug back to : such proposals,	t different reservoir.	l	3.44	1960年高海
1.			. <u>.</u> .	· · · · · · · · · · · · · · · · · · ·	7.	UNIT AGREEMENT	NAME
WELL _	GAS OTHER	Dry Hole			İ		
2. NAME OF					8.	FARM OR LEASE N	AME E
	nschutz Corporati	on				Federal 2	58 ្តិត្រូឡី
3. ADDRESS (		D 0.1		0.0	9.	WELL NO.	
	Denver Club Bldg.					5 924	
See also s	or WELL (Report location clepace 17 below.)	Parly and in accordance wi	ith any State re	equirements.*	10	, FIELD AND POOL,	OR WILDCAT
At suring	e					Unnamed	
2035'	FEL, 653' FNL				11	SEC., T., R., M., OF SURVEY OR ARI	R BLK. AND
_000	120, 033 1113				1	Sod R T	18S, R 24E
14. API	0.	15. ELEVATIONS (Show who	ether DF. RT. GR	etc.)		COUNTY OF PARIS	
711.1	43-019-30364	5147 GR	5157 KB			Grand	Ut ah-
16.					<del></del> '-	<del></del>	E 0.1 1. A
10.	Check Ap	propri <mark>ate Box To Indi</mark> a	ate Nature	of Notice, Report,	or Othe	r Data	्च चुँदि≛है
	NOTICE OF INTENT	MON TO:		8U	BSEQUENT	REPORT OF:	F BBBB
TEST WA	TER SHUT-OFF P	ULL OR ALTER CASING	]	WATER SHUT-OFF		REPAIRING	WELL
FRACTUR	E TREAT	ULTIPLE COMPLETE		FRACTURE TREATMENT		ALTERING	CASING
виоот о	R ACIDIZE A	RANDON*	-	SHOOTING OR ACIDIZING		ABANDONM	ENT*
REPAIR W	CELF C	HANGE PLANS	_	(Other)		1	- 5 %
(Other)			<u> </u>	Completion or Rec	completion	multiple completion in Report and Log i	orm.)
brologe	PROPOSED OR COMPLETED OPER ed work. If well is direction this work )	tations (Clearly state all paally drilled, give subsurfa	ertinent detail: ce locations and	s, and give pertinent d d measured and true v	ates, incl ertical de	uding estimated depths for all marke	ate of starting and
nent to	this work.) •			,		. <u> </u>	
This v	well was drilled	to a T D of 44	19' KR +h	rough the Enti	-oda E	A	E1
logs v	were run to T.D.	No potential pa	av zones i	were indicated	auar Iont	he lane	Electrica <b>#</b> This
well v	was cored from 37	35'KB to 3765'KI	B. No hvo	drocarbons wei	on c	sent in the	ura: - E '
sample	. Verbal approv	al to plug and a	abandon ti	his well was a	riven	by W P Mar	tens on
July 6	5, 1978. This we	11 was plugged a	and abando	oned on July	7. 197	8 with blue	e set
as fol		. 00			,		조 존 중 다
						2000 2000 2000 2000 2000 2000 2000 200	ORAC DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER CONTROL DE PER
	Dep	th	Cer	ment			The or period
						100 200 400 400 400 400 400 400 400 400 4	
	4200 -			sks		골속표절품	Aniscueisel Person tam Person tam Personale Pe
	2500 -			sks		7,5	ā 2250 2
	1600 -			sks		A STATE OF THE STA	epilitäm epilitäm epilooje epilooje epilooje
	275 -	175		sks		ED NAME OF THE STATE OF THE STA	Hallands Free Control Free Control
	Surfac	e	10	sks		- 교생교회의 원	그 그 늦춤

Restoration of this location will commence ± August 15, 1978

18. I hereby certify that the foregoing is true and correct

SIGNED. Peter B. Doty

(This space for Federal or State-office use)

APPROVED BY APPROVAL, IF ANY:

FOR E. W. GUYNN

DISTRICT ENGINEER

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

D

\*See Instructions on Reverse Side

Usmil Some Oil & GAS

# CORE LABORATORIES, INC. Petroleum Reservoir Engineering DALLAS, TEXAS

PAGE NO. 1

RECEIVED

THE ANSCHUTZ CORPORATION

NO. 5 FEDERAL 258 UN-NAMED FIELD GRAND COUNTY FORMATION : DAKOTA

DRLG. FLUID: AIR-MIST

LOCATION : NW NE SEC. 8 T18S R24E

STATE : UTAH

DATE : 7-5-78

FILE NO. : RP-2-5635UL 11 1978

ANALYSTS : RM; SS

ELEVATION: 5147 GL

#### CONVENTIONAL CORE ANALYSIS

### PRELIMINARY COPY

SAMP. NO.	DEPTH		AIR (MD) VERTICAL	POR. FLD.	FLUID OIL	SATS. WATER	GR. DNS.	' <u>= -</u>	DESCRIPTION
	3735-36	2.3	3.0	13.1	0.0	20.0			SD WH MED CLY
2	3736-37	0.69	0.87	13.7	0.0	11.9		- · ·	SD WH FN CLY CARB
3	3737-38	5.7	9.5	13.8	0.0	21.5	*		SD WH FN CLY
. 4	3738~39	0.52	0.38	16.1	0.0	52.4			SD WH FN V/CLY
5	3739-40	0.65	0.62	15.9	0.0	39.0	•		SD WH FN V/CLY
- 6	3740-41	3.1	16	20.8	0.0	42.4	VF		SD WH MED V/CLY
7	3741-42	5.4	0.11	14.4	0.0	39.0	VF		SD WH CSE CLY CONGL
8	3742-43	1.1	0.71	13.6	0.0	49.8			SD WH MED V/CLY
9	3743-44	12	23	11.3	0.0	13.3	VF		SD WH FN CLY
10	3744-45	9.1	17	10.5	0.0	18.3			SD WH FN CLY
11	3745-46	0.18	0.12	7.4	0.0	16.2			SD WH VFG CLY
12	3746-47	0.07	0.05	12.7	0.0	50.1			SD WH VFG CLY
13	3747-48	0.11	0.04	9.5	0.0	14.3			SD WH FN CLY
	3748-3765	5							SHALENO ANALYSIS

VF = VERTICAL FRACTURE